Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

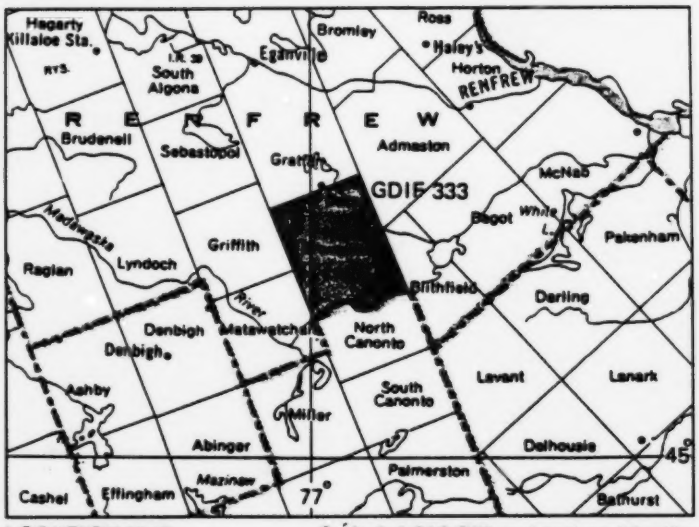
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 333

BROUGHAM TOWNSHIP

RENFREW COUNTY

Compiled by the Staff of
the Resident Geologist's Office,
Bancroft



LOCATION MAP Scale 1:1 013 760 or 1 inch to 16 miles

87-01248/

NTS Number 31F/2, 31F/3, 31F/6, 31F/7

Mining Claim Map Number M.58

This inventory was aided by the MNR Section 38 Special Employment Program, Bancroft

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1986: Brougham Township, Renfrew County; Ontario Geological Survey, Geological Data Inventory Folio 333, compiled by the staff of the Resident Geologist's Office, Bancroft, 49 p. and 2 maps.

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Date	Page Revised	Revised by

BROUGHAM TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map 1 Map

Exploration Data Map 1 Map

Map Scale 1 inch to ½ mile or 1: 31 680

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files (Assessment Files)	Yes	P.F.
2	Assessment Files Research Office, Toronto		
3	ODM General Index; Toronto 9 Volumes	Yes	P.F.
4	Catalogue of Airborne Geophysical Surveys (ODM)		
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	P.F.
6	ODM Industrial Mineral Reports	Yes	P.F.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	P.F.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	P.F.
9	Newspaper Clippings File	Yes	P.F.
10	GSC Index to Publications	Yes	P.F.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	P.F.
12	OGS Index Maps	Yes	P.F.
13	Source Mineral Deposit Records (O.G.S.) & M.D.I.R.'s	Yes	P.F.
14	Author - Subject Articles File		
15	Miscellaneous Papers: ODM & OGS	Yes	P.F.
16	ODM Geological Circulars: OGS Study Series	Yes	P.F.
17	ODM Preliminary Reports: ODM Bulletins	No	P.F.
18	ODM – OGS Open File Reports	Yes	P.F.
19	OGS Northern Ontario Engineering Geology Terrain Studies	N/A	P.F.
20	OGS Aggregate Resources Inventory Papers	N/A	
21	OGS Mineral Potential Maps	Yes	P.F.
22	DEMR/National Mineral Inventory Cards	Yes	P.F.

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
▲ ap. . . . . .Apatite
△ arg . . . . . Argentite
△ As . . . . . .Arsenic
△ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . .Beryl
△ Bi. . . . . .Bismuth
▲ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
▲ calc. . . . . .Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
▲ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
△ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
△ Cu . . . . . .Copper
▲ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
△ ery . . . . . Erythrite
▲ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (flurospar)
△ fu. . . . . .Fuchsite
△ gn. . . . . .Galena
▲ gt. . . . . .Garnet
△ goe . . . . . .Goethite
▲ Au . . . . . Gold
▲ gf. . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . .Gypsum
△ hem . . . . . Hematite
△ il . . . . . .Ilmenite
△ Fe . . . . . .Iron
△ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
▲ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . .Magnesite
▲ mag . . . . . .Magnetite
△ mc . . . . . Malachite
▲ Mn . . . . . Manganese
▲ mb . . . . . Marble
△ mar. . . . . Marcasite
▲ ma . . . . . .Marl
▲ mi . . . . . Mica
△ mil . . . . . .Millerite
▲ mo . . . . . Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
▲ ne. . . . . Nephelite (nepheline)
△ nc. . . . . .Niccolite
▲ Ni. . . . . Nickel
▲ Nb . . . . . .Niobium
△ Pd . . . . . .Palladium
△ peat . . . . . .Peat
△ pent . . . . . .Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
▲ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
▲ po . . . . . .Pyrrhotite
▲ q . . . . . .Quartz
△ qcv . . . . .Quartz carbonate vein
▲ re. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
▲ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
▲ serp . . . . . Serpentine
△ sh. . . . . .Shale
△ sid . . . . . Siderite
△ si . . . . . .Silica
△ Ag . . . . . .Silver
△ sl . . . . . Slate
△ sm . . . . . .Smaltite
△ sod . . . . . Sodalite
△ spec . . . . . Specularite
▲ sp. . . . . .Sphalerite
△ spd. . . . . .Spodumene
△ staur . . . . . .Staurolite
△ stib. . . . . Stibnite
△ st. . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . Tellurium
△ td. . . . . Tetrahedrite
▲ th. . . . . .Thorite
▲ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
▲ ti . . . . . Titanite
△ Ti. . . . . Titanium
▲ tour . . . . . .Tourmaline
△ trap . . . . . .Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
▲ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
▲ Zn . . . . . .Zinc
▲ zr. . . . . Zircon
▲act. . . . . .actinolite
▲alb. . . . . .albite
▲all. . . . . .allanite
▲amaz. . . . . .amazonite
▲anat. . . . . .anatase
▲Ba. . . . . .Barium
▲bi. . . . . .biotite
▲dp. . . . . .diopside
▲h. . . . . .hornblende
▲mk. . . . . .microcline
▲modt. . . . . .molybdite
▲mu. . . . . .muscovite
▲olig. . . . . .oligoclase
▲ov. . . . . .olivine
▲phl. . . . . .phlogopite
▲stlb. . . . . .stilbite
▲Sr. . . . . .Strontium
▲Ta. . . . . .Tantalum
▲trem. . . . . .tremolite
▲V. . . . . .Vanadium
▲roz. . . . . .rozenite

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A.	BIRCHAM LAKE Lot 12, Con XIII	fel,q	S00102	MDC 22 p.167	OGS Maps: P.2209,P.2565 OFR 5425 p.54 GSC Maps: 1046A Paper 51-27 p.30
B.	BLACKBIRD DEPOSIT Lot 22, Con XII	mag,po,gt		MDC 20 p.86-87 MRC 11 p.319	OGS Maps: P.2565,2462 GSC Maps: 1046A Paper 51-27 p.49-50
C.	BLACK DONALD CREEK Exact Location Unknown - reported to be along Creek from Con V-X (plotted in Lot 27, Con VII)	mi			GSC Paper 51-27 p.54
D.	BLACK DONALD MINE (Ontario Graphite Company) (Black Donald Graphite, Ltd.) Lot 17, Con III (property includes: Lot 18, 19, Con III)	gf,calc,dp, py,po,trem, scap,h,tour, ap,fel,mu	S00126	IMR 20 p.45-56 MDC 22 p.55-58	OGS Maps: P.2209,P.2565,2462,53b ODM Annual Reports: 5 p.30-31,35 6 p.34 7 p.23 8 p.18 9 p.14,199 10 p.24-25 11 p.27,289 12 p.26,132-134 13 p.12,53-54,92 176 14 p.86-87,22 15 p.14,23,106 16(1) p.25 16(2) p.181 17(1) p.60,90 18(1) p.43,137,139 19(1) p.37,131,147 20(1) p.37,44,111 21(1) p.41,162 22(1) p.49,139 23(1) p.178 24(1) p.41,164 25(1) p.33,138 26(1) p.145 27(1) p.143 28(1) p.51,162

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Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
D.	BLACK DONALD MINE - continued				29(1) p.40,116-7 30(1) p.24,52,132 31(1) p.22 31(10) p.64 32(1) p.23 33(1) p.20 33(7) p.91 34(1) p.27,161 35(1) p.33,133 36(1) p.33,142 37(1) p.34,156 38(1) p.30,156 39(1) p.32,135 40(1) p.29,103 41(1) p.31,96 42(1) p.30,99 43(1) p.27,109 44(1) p.32,154 45(1) p.41,173 46(1) p.47,220 47(1) p.37,229 48(1) p.36,219 49(1) p.36,220 50(1) p.148 51(1) p.218 52(1) p.205 53(3) p.43-46 54(1) p.34,170 54(2) p.99 55(1) p.36,75 55(2) p.82 56(1) p.34,70 56(2) p.93 57(1) p.37 57(2) p.96 58(1) p.34 58(2) p.84 59(1) p.34 59(2) p.82 60(1) p.35,61 60(2) p.80 61(1) p.36 61(2) p.81 62(1) p.48 62(2) p.86 63(1) p.46,72 63(2) p.105 64(1) p.47 64(2) p.97 OGS GR 212 p.47-48 OFR 5377 p.11 OFR 5425 p.132 GR 128 p.128 GC 13 p.51 MP 70 p.86,187 GSC Maps: 1799 Annual Rpt. Vol. XIV p.69J

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Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
D.	BLACK DONALD MINE - continued				GSC Annual Rpt. Vol.IX p.110A,58A Summary Rpt. (1919) p.20E-30E MP 8 p.99 Memoir 74 p.26 Memoir 195 p.22-25 Mineral Resources Bulletin 877 p.26 NMI #070541 DEMR/CANMET #18 p.46-48 #24 p.406-407 #511 p.38 #785 p.147 Anderson, A. (1954) p.684-686 Bruce, E.L. (1933)p.153-157 Muir, A.K. & Fraser, N.H.C.(1942) Northern Miner Articles - Oct.8/55 - Feb.19/48
E.	BLACK LAKE Lot 13, Con X	gf	SO0123	IMR 20 p.57 MDC 22 p.54-55	OGS Maps: P.2209,53b,P.2565,2462 AR Vol.53 (3) p.48 OFR 5425 p.134 OFR 5377 p.11 GSC Maps: 1046A Paper 51-27 p.36
F.	BLACK LAKE (Blackbird Lake) Lot 21, Con XII	ma	SO0310	MDC 22 p.75 IMR 28 p.98	OGS Maps: P.2209 AR Vol.53 (3) p.67 OFR 5425 p.207

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Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
G.	BOB DEPOSIT Lot 19, Con XI N½	mo		MRC 7 p.65	OGS Maps: 2462 AFRO/Brougham Assess. File #3 GSC NMI #508650 Rowntree, J.C. (1965)
H.	BOUNDARY (Scully Farm) Lot 1, Con VI	gf		IMR 20 p.56 MDC 22 p.58-59	OGS Maps: P.2209,P.2565,2462 OFR 5425p.133 OFR 5377 p.11 AR Vol.53 (3) p.46-47 GSC Maps: 1046A Paper 51-27 p.34-35
I.	BURNS LONG LAKE AREA Lot 35, Con XVIII	sp,mag,anat, py		MDC 23 p.139	OGS Map 2454
J.	CARTER LAKE (Campbell Stewart) Lot 15, Con VI (Property includes: Lot 14)	gf,py,po,cp, sp,Pb,bn	SO0161	MDC 22 p.59	OGS Maps: P.2209, P.2565 OFR 5425 p.133 OFR 5377 p.15,24-26 AFRO/Brougham Assess. File #7
K.	CHARRON PROPERTY (Jacktar Lake) Lot 15, Con XI S½	mo,py,po, scap	SO0275	MDC 20 p.143-144 MRC 7 p.59 IMR 21 p.70	OGS AFRO/Assess. File #3 Maps: P.2211,53b,2461 AR Vol.26 p.294 AR Vol.53(3) p.79-80 GSC NMI #508647 Paper 51-27 p.63-63 Ec.Geol.Rept. #20 p.514 Rowntree, J.C. (1965)

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
L.	CORONATION RESOURCES (Black Donald Creek Graphite Project) Lot 14, Con X	gf			Meyn, H.D. (1982) Field Trip Report Hansen, J. (1982) OGS/AFRO/Brougham Assess. File 11 & 13
M.	COTTERS LAKE Lot 9, Con XV	fel,scap		MDC 22 p.167-168	OGS Maps: P.2209, .2565 OFR 5425 p.55 GSC Paper 51-27 p.30 Maps: 1046A
N.	DACRE OCCURRENCE Lot 14, Con XVIII	mag		MRC 11 p.320	ODM I.O. p.223 DEMR/CANMET #217 p.125 Rose (1954) p.107
O.	DACRE (Canada Furnace Co.) Lot 25, Range D South	mag		MRC 11 p.320 MDC 20 p.87	OGS Maps: 2462 AR Vol.12 p.114 AR Vol.53(3) p.59 GSC NMI #070833 Paper 51-27 p.50 AR Vol.XIV p.64J (1901) AR Vol.IX p.57A Bulletin 45 p.35 Map: 1046A

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
P.	DILLON LAKE Hwy #132, Opeongo Rd. Lot 3, Range D North	mb	SO0375	MDC 21 p.45-47 102,106,125	OGS Maps: P.1980,P.2565 OFR 5425 p.167 OFR 5295 p.103-105 MP 80 p.6-7 See: Admaston Twp. File - Lot 11, Con XIII, Dillon Lake Area
Q.	DOMENIC LAKE Lot 13, Con XIV	mk,h,gt	SO0103	MDC 22 p.167	OGS Maps: P.2209,P.2565, OFR 5425 p.55 GSC MAPS: 1046A Paper 51-27 p.30
R.	GREEN LAKE Lot 17, Con VI	gf,q,trem, Zn,Ni,cp,bn, po,py,mb	SO0125	MDC 21 p.92-94 MDC 22 p.60-62 IMR 20 p.56	OGS Maps: P.2209,53b,P.2565, OFR 5425 p.133 OFR 5377 p.10 AR Vol.53(3) p.47-48 GSC Maps: 1046A Paper 51-27 p.35 Memoir 195 p.21-22
S.	GREEN LAKE GARNET Lot 15, Con VI	gt	SO0101	MDC 22 p.43	OGS Maps: P.2209,P.2565 OFR 5425 p.95 GSC Paper 51-27 p.31
T.	GREEN LAKE MARL Lot 14, Con VII	ma	SO0309	MDC 22 p.75 IMR 28 p.98	OGS Maps: P.2209 OFR 5425 p.207 AR Vol.53(3) p.67

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Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
U.	GUINEY Lot 8, Con XII	mo	SO0274	MRC 7 p.65 MDC 20 p.144	OGS Maps: P.2211 GSC Maps: 1046A Paper 51-27 p.64 NMI #508652 DEMR/CANMET #592 p.89 #93 p.47
V.	HIGHWAY FORTY-ONE Lot 24, Con XIX	mb,sp,ap,phl, bi,serp,gf, mu, trem,dp	SO0368	MDC 21 p.59-61,102, 106,108,109, 125	OGS Maps: P.1980,P.2565 OFR 5425 p.172 MP 80 p.6-7
W.	HIGHWAY FORTY-ONE ROADCUT Lot 25, Con XIX	ap,calc, scap,zr MIN. COLL. #3			OGS MP 70 p.40,86,336,437
X.	HUNT MINE (Renfrew Molybdenum Mines Ltd.) Lot 8, Con XI	mo,ap,calc, dp,gf,h, mag,mi,mk,ov, py,po,roz, scap,serp, stlb,ti MIN. COLL. #1	SO0276	MRC 7 p.58 MDC 20 p.144-149	OGS AFRO/Brougham Assess.File #4,2 Maps: P.1247,53b,P.2211,2462 AR Vol.24(1)p.156 AR Vol.26 p.291-292 AR Vol.28 p.34-35,98 AR Vol.53(3)p.79 OFR 5515 p.365-375 GR 212 p.44 MP 70 p.228,380 MP 96 GSC Ec.Geol.Rept. #20 p.146-150 Ec.Geol.Rept. #33 p.8 Summary Rept.Pt.E (1919) p.36-41 Paper 51-27 p.61-62 Paper 70-50 p.16 Memoir 74 p.160 Memoir 195 p.12,14

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Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
X.	HUNT MINE - contiuned				GSC Map: 1046A GSC NMI #508651 DEMR/CANMET #93 p.47 #285 p.69-71 #592 p.89-94 #421 p.89,90,114,115 Min.Pol.Sector/Resource File: "MR Mo-301.00 East.Ont.) /Corp. Files: "New Far North Exploration Ltd." "Chesapeake Ltd." Amendolagaine, E. (1968) Christoph (1966) Ingham (?) Hehn, F. (1984) Karvinen, W.O. (1973)
Y.	KENNELLY LAKE Lot 7, Con X	mag	SO0271	MDC 20 p.87 MRC 11 p.320	OGS Maps: P.2211,53b,2462 OFR 5377 p.11 I.O. p.223 AR Vol.53(3)p.58-59 GSC Maps: 1046A Paper 51-27 p.49 Memoir 74 p.160 AR Vol. XII p.23R DEMR/CANMET #217 p.125

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Z.	KENNELLY, PATRICK, J. Lot 8, Con IX	gf			OGS Maps: P.2565 OFR 5425 p.134 GSC NMI #070543
AA.	KENNELLY, PATRICK, L. Lot 6, Con VIII	gf,scap,Ba, Sr		IMR 20 p.57 MDC 22 p.62-63	OGS Maps: P.2209,53b,P.2565 AR Vol.53(3) p.48 OFR 5425 p.134 OFR 5377 p.10 GSC Paper 51-27 p.35-36
BB.	LECLAIRE LAKE AREA Lot 34, Con IV	mb,gf	S00867	MDC 21 p.47-48, 51-52,108	OGS Maps: P.1980 MP 80 p.6-7
CC.	LEGRIS Lot 31, Con XVIII	ap,bi,ti		MDC 22 p.8-9	OGS Maps: P.2565,P.2240 OFR 5425 p.6-7,55 AFRO/Brougham Assess. File #9
DD.	LEGRIS (Imperial - Brougham Lake Tooey Lake) Lot 31, Con XVIII S½	th var. urth, pyl,all,zr, mag,mk,olig	S00206 #102	MDC 22 p.168 MDC 23 p.31-33	OGS Maps: P.2240,2210,P.2424 OFR 5311 p.546 AFRO/Brougham Assess. File #9,10 GSC NMI #065085 Ec.Geol.Rept. #16(1962) p.249 Peaver, J.M. (1976)

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
EE.	LIMESTONE LAKE Lot 2, Con IV	phl	SO0105	MDC 22 p.82	OGS Maps: 53b,P.2209,P.2565,2462 OFR 5425 p.208 AR Vol.53(3) p.69 GSC Paper 51-27 p.54
FF.	LIMESTONE LAKE MARL Lot 2, Con IV (Includes Lot 1 & 3)	ma	SO0307	MDC 22 p.75 IMR 28 p.98	OGS Maps: P.2209, P.2565 AR Vol.53(3) p.67 OFR 5425 p.53
GG.	MADAWASKA (Box, J.S.) Lot 18, Con 1	mo	SO0273	MDC 20 p.142-143	OGS Maps: P.2211, 53b AR Vol. 53(3) p.78 GSC Memoir 195 p.12
HH.	MALONEY DEPOSIT Lot 13, Con XIII (Property Includes: Lot 14)	mo		MRC 7 p.65 MDC 20 p.149	OGS Maps: P.2211,P.1247 GSC Maps: 1046A NMI #508653 Paper 51-27 p.64 Memoir 195 p.12 DEMR/CANMET #592 p.99
II.	MALONEY, J.J. DEPOSIT Lot 11, XIV	ne,bi, alb			OGS Maps: P.2565 OFR 5425 p.228 AR Vol.69(8) p.103 GSC Maps: 1046A Paper 51-27 p.65

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
JJ.	MARLY LAKE Lot 9, Con XII	ma	S00306	MDC 22 p.75 IMR 28 p.98-99	OGS Maps: P.2209, P.2565 AR Vol. 53(3) p.67 OFR 5425 p.53
KK.	MATAWATCHAN ROAD Lot 22, Con V	gf,bi,po, Sr,Ba,V,Mn	S00162	MDC 22 p.64-66	OGS Maps: P.2209,P.2565,P.1838 OFR 5425 p.133 OFR 5296 p.116,152-156 OFR 5377 p.11
LL.	MORAN LAKE Lot 18, Con XII (Includes: Lot 17 & 19)	ma	S00305	MDC 22 p.75 IMR 28 p.99	OGS Maps: P.2565 OFR 5425 p.53 AR Vol. 53(3) p.67
MM.	MORIN-O'BRIEN Lot 18, Con XII	mo		MRC 7 p.65	GSC Maps: 1046A Paper 51-27 p.64 Memoir 195 p.12 NMI #508646
NN.	MOUNTAIN CHUTE SECTION Lot 20, Con 1	mb,gf,phl, py,po		MDC 21 p.81-84,110	OGS Maps: P.1980 See: North Canonto Twp. Files: Lot 16-19, Con IX

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
OO.	MOUNT ST. PATRICK Lot 19, Con XIII	mag,py,po			GSC NMI #070832 Goodwin, W.M. (1950)
PP.	MUD LAKE (A. Legris) Lot 18, Con IX	RA		MDC 23 p.139	OGS Maps: P.2210 OFR 5260 GSC Ec.Geol.Rept. #16 (1962) p.249
QQ.	O'BRIEN MINE (Internation Molybdenum Co.) Lot 17, Con XI S½	mo,q,py,gf	SO0278	MRC 7 p.60 MDC 20 p.149-153	OGS Maps: 53b,P.2211,2462 AR Vol. 26 p.292 AR Vol. 53(3) p.81 OFR 5377 p.11 GSC Maps: 1046A Memoir 195 p.12 Paper 51-27 p.63-64 Ec.Geol.Rept. #20 p.150-154 Ec.Geol.Rept. #33 p.8 NMI #508649 DEMR/CANMET #592 p.97-99 Karvinen, (1973) Rowntree, J.C. (1965)
RR.	O'BRIEN, M.J. SHAFT Lot 16, Con III	gf	SO0163	IMR 20 p.44 MDC 22 p.63 MRC 7 p.44	OGS Maps: 53b,P.2209,P.2565 AR Vol. 53(3) p.43 OFR 5425 p.132 GSC Memoir 195 p.22

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
SS.	PEARCE, GARY Lot 27, Con XVII S½	gf			OGS AFRO/Brougham Assess. File #12
TT.	ROSS MINE (Aldfield Mineral Syndicate) Lot 16, Con XI W½	mo,py,po, scap	SO0277	MDC 20 p.149-153 MRC 7 p.59	OGS AFRO/Brougham Assess. File #3 Maps: 53b,P.2211 AR Vol. 26 p.292 AR Vol. 53(3) p.80 GSC Paper 51-27 p.63 GSC Maps: 1046A Ec.Geol.Rept. #20 p.150-154 Ec.Geol.Rept. #33 p.8 Memoir 195 p.12 NMI #508648 DEMR/CANMET #592 p.94-97 #285 p.66-69 (No.15) Mines Branch Rept. (1915) p.89-90 Amendolagaine, E. (1968) Rowntree, J.C. (1965) Karvinen, W.O. (1973)
UU.	SUNSET MINE (Steel Alloys Mine) Lot 36, Con XIV	mo,act,dp,mi modt,py,po, scap,trem,ti MIN. COLL. #2	SO0272	MDC 20 p.154-156 MRC 7 p.60-61	OGS Maps: P.2240,P.2211,2454,2461 AR Vol. 25(1) p.19 AR Vol. 26(1) p.291 AR Vol. 27(1) p.142 AR Vol. 38(1) p.34,161 AR Vol. 53(3) p.81-82 MP 70 p.249 GSC Memoir 195 p.13 Ec.Geol.Rept. #20 p.159-160 Summary Rept. (1919) Pt.E p.41

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
UU.	SUNSET MINE - continued				GSC Paper 70-50 p.18 NMI #508628 DEMR/CANMET #592 p.99-100 Amendolagaine, E. (1968) Karvinen, W.O. (1973)
VV.	TOOEY LAKE OCCURRENCE Lot 26, Con XVIII	pyl,U,Th,Nb,Ta	SOO180	MDC 23 p.33-35	OGS Maps: P.2210,2454 AFRO/Brougham Assess. File #9,10
WW.	Lot 11, Con I	Au,q			OGS Maps: 53b AR Vol. 53(3) p.41 GSC Memoir 195 p.7-8 NMI #505311
XX.	Lot 16, Con I	mo,py			GSC AR Vol. XII p.23R Memoir 74 p.160
YY.	Lot 7, Con X	mo			GSC AR Vol. XII p.23R Memoir 74 p.160
ZZ.	Lot 9, Con XII	mag		MRC 11 p.320	GSC Maps: 1046A Paper 51-27 p.50

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
AB.	Lot 11, Con XII	cor			GSC Paper 80-18 p.121 Moyd, L. (1949) p.745
AC.	Lot 20, Con XIII	gf			OGS Maps: P.1838, P.2565 OFR 5425 p.151
AD.	Lot 8, Con XV	cor,ne,alb			OGS Maps: 2462 AR Vol. 53(3) p.89-90 AR Vol. 69(8) p.103-104 GSC Maps: 1046A Paper 51-27 p.28
*	MOUNT ST. PATRICK (?)	amaz			GSC Memoir 74 p.157 AR Vol. IV p.17T

GDIF FORM NO. 1

* - Indicates that an occurrence has been reported but there is insufficient information regarding location and therefore is not plotted on the accompanying map.

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
1	CAN-MET EXPLORATIONS LTD. (Benner, R.I.)				55															
2	RENO RINALDI/NEW FAR NORTH EXPLORATIONS LTD. /HUNT MINE (McKinnon, I.)				64															
3	CIGLEN INVESTMENTS LIMTED O'BRIEN PROPERTY /BOB DEPOSIT CHARRON PROPERTY/ROSS MINE (Rowntree, J.C.)	65		65		65														
4	NEW FAR NORTH EXPLORATIONS/ RENO RINALDI /HUNT MINE (Kirwan, G.L.)							65								65				
5	EMERALD LAKE MINES (Kirwan, G.L.)		66	66				66								66				
6	EMERALD LAKE MINES (Kirwan, G.L.)				67	67		67												

GDIF FORM NO. 2

BROUGHAM TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	LAND SURVEY		
COMPANY/AUTHOR (file number)																				
7	ROBERT CAMPBELL/BLACK DONALD PROPERTY /CARTER LAKE (Campbell, R.)				69			69												
8	DUNCAN E. STEWART (Gibson, A.)																	74		
9	IMPERIAL OIL LTD./TOOEY LAKE PROSPECT /LEGRIS (Hassan, Z.)	76						76						76						
10	IMPERIAL OIL LTD. /LEGRIS (Peaver, J.)			76	77	78														
11#	B. NIXON APPLE/CORONATION RESOURCES/BLACK DONALD CREEK GRAPHITE PROJECT (Aschwanden, J.)				82 #			82												
12	GARY PEARCE	82											VLF 82							

GDIF FORM NO. 2

19

- Indicates drill core stored at the Bancroft Drill Core Library

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
13	B. NIXON APPLE/CORONATION RESOURCES/BLACK DONALD CREEK GRAPHITE PROJECT (Moyd, L. & Hansen, J.)	82				82		82					VLF 82							
*1	NEW FAR NORTH EXPLORATIONS LTD/HUNT MINE (Christoph, R.W.)				64 65	64 65														
*2	MAJOR MOLYBDENITE MINES/ O'BRIEN MINE (Rowntree, J.C.- Report located in Assessment File 3 indicates work done by this company)				43															
*3	BLACK DONALD MINE (now flooded - Black Donald Lake)	NUMEROUS DRILL HOLES AND UNDERGROUND WORKINGS REPORTED IN REPORTS FROM 1896 TO 1950																		

GDIF FORM NO. 2

* - indicates this work was not submitted as assessment work - The information is contained in Bancroft Files at the Resident Geologist's Office

BROUGHAM TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	RECONNAISSANCE (PEATLAND FIELD SURVEY)		
COMPANY/AUTHOR (file number)																				
*	ECOLOGICAL SERVICES FOR PLANNING LTD. (1983) - Peat & Peatland Evaluation of Pembroke Area, (OGS OFR 5449 p.21 & Topographical Map 31F/2) Note: - See #401, 402, 404, 404A, 405 plotted on Exploration Data Map only.	5 PEATLANDS WERE DELINEATED AND CLASSIFIED INTO PHYSIOGNOMIC GROUPS ON THE BASIS OF AIR PHOTOGRAPH INTERPRETATION (A.P.I.)																82		

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	CAN-MET EXPLORATIONS LTD.	1	Jul 6/55	S 42 W	-45	4.0	100	pyrite	
	(File No. 1)	2	Jul 8/55	S 72 W	-45	4.0	96		
		3	Jul 9/55	S 8 W	-45	4.0	93		
		4	Jul 13/55	S 42 W	-45	10.0	128	pyrite,pyrrhotite	
2	CANMET EXPLORATIONS LTD.	5	Jul 15/55	S 60 W	-45	2.0	133	pyrite, pyrrhotite	
	(File No. 1)	6	Jul 18/55	S 88 W	-40	2.0	111		
		7	Jul 19/55	S 27 W	-40	2.0	127		
		8	Jul 21/55	S 80 W	-45	12.0	110	pyrite, pyrrhotite	
		9	Jul 23/55	S 46 W	-45	15.0	108		
3	CAN-MET EXPLORATIONS LTD.	10	Jul 28/55	N 73 W	-45	4.0	90	pyrite, pyrrhotite	
	(File No. 1)	11	Jul 30/55	N 29 W	-50	4.0	100	pyrrhotite	
		12	Aug 2/55	S 48 W	-45	5.0	143	pyrite, pyrrhotite	
		13	Aug 3/55	N 73 W	-45	3.0	91	pyrite, pyrrhotite	
		14	Aug 4/55	N 10 W	-55	3.0	105	pyrite, pyrrhotite	
		15	Aug 6/55	S 64 W	-45	6.0	100	pyrite, pyrrhotite, graphite	
4	CAN-MET EXPLORATIONS LTD.	16	Aug 9/55	N 73 W	-45	6.0	105		
	(File No. 1)	17	Aug 9/55	S 63 W	-45	5.0	30	pyrrhotite	
		18	Aug 11/55	N 73 W	-45	4.0	140	pyrite, pyrrhotite	
		19	Aug 12/55	S 63 W	-60	4.0	93		

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
5	RENO RINALDI/NEW FAR NORTH EXPLORATIONS LTD./HUNT MINE (File No. 2)	64-1 64-2 64-3	Jun 9/64 Jun 9/64 Jun 9/64		90 45 N 45 S		106 110 105	pyrite, graphite pyrrhotite pyrite	
6	EMERALD LAKE MINES LTD. (File No. 6)	1 2	May 31/67 Jun 7/67	045 225	-45 -45		100 100	pyrite, pyrrhotite graphite	
7	EMERALD LAKE MINES LTD. (File No. 6)	3	Jun 12/67	045	-45		102	graphite	
8	EMERALD LAKE MINES LTD. (File No. 6)	4	Jun 23/67	045	-45		99	graphite	
9	R. CAMPBELL /BLACK DONALD PROPERTY (File No. 7)	1	May 15/69	N	-45		502	pyrite, pyrrhotite graphite, chalcopyrite, bornite	
10	IMPERIAL OIL LTD. (File No. 10)	1	Sep 17/77	N 340	45	9.7	100	pegmatite	4-6 lb/ton U_3O_8
11	IMPERIAL OIL LTD. (File No. 10)	2 3	Sep 19/77 Sep 20/77	N 340 N 310	45 45	4.5 6.3	210 104		
12	B. NIXON APPLE/CORONATION RESOURCES/BLACK DONALD CREEK GRAPHITE PROSPECT (File No. 11)	82-1 82-2	Sep 7/82 Sep 8/82	281 -	-50 -90	4.0 6.0	402 203	graphite, sulphide graphite, sulphide	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
13#	B. NIXON APPLE/CORONATION RESOURCES/BLACK DONALD CREEK GRAPHITE PROSPECT (File No. 11)	82-3	Sep 12/82	266	-45	8.0	193		
		82-4	Sep 16/82		-90	8.0	233		
		82-5#	Sep 20/82		-90	2.0	222		
		82-8#	Oct 2/82		-90	4.0	163		
		82-9#	Oct 4/82		-90	11.0	173		
		82-10#	Oct 8/82		-90	3.0	273		
		82-11#	Oct 10/82		-90	10.0	252		
		82-12#	Oct 16/82		-90	4.0	402		
14#	B. NIXON APPLE/CORONATION RESOURCES/BLACK DONALD CREEK GRAPHITE PROSPECT (File No. 11)	82-6#	Sep 27/82	250	-45	11.0	401		
		82-7#	Sep 29/82		-90	4.0	253		
15	NEW FAR NORTH EXPLORATIONS LTD./HUNT MINE (See Type of Work *1)	8 DIAMOND DRILL HOLES TOTALLING 1,758' ON THE HUNT MINE PROPERTY Lot 7 & 8, Con XI N½							
16	MAJOR MOLYBDENITE MINES/ O'BRIEN MINE (See Type of Work *2)	18 DIAMOND DRILL HOLES AGGREGATING 1,000' ON THE O'BRIEN MINE PROPERTY Lot 17, Con XI							
17	BLACK DONALD MINE (See Type of Work *3)	NUMEROUS DIAMOND DRILL HOLES AND UNDERGROUND WORKINGS REPORTED IN REPORTS FROM 1896 TO 1950 Lot 17, Con III							

GDIF FORM NO. 3

- Indicates drill core stored at the Bancroft Drill Core Library

BROUGHAM TOWNSHIP

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing

GDIF FORM NO. 4

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
	Lithogeochemical	SiO_2% Cu ppm V ppm Al_2O_3% Zn ppm B ppm Fe_2O_3% Co ppm Mo ppm Pb ppm Mn ppm MgO% Ba ppm Brightness CaO% Hg ppm LOI As ppm Total% P_2O_5 ppm CaO/MgO Sr ppm Acid Insol.%	Ontario Geological Survey - Staff	Vos, M.A., Storey, C.C. (1979) Marbles of the Pembroke-Renfrew Area, OGS MP 80, p.6, Accomp. by Map P.1980 Storey, C.C. & Vos, M.A. (1981) Industrial Minerals of the Pembroke-Renfrew Area, Part 1: Marble, OGS MDC 21, p.106,111,125, Accomp. by Map P.1980 Vos, M.A. (1977) Preliminary Survey, Marble of the Grenville Geological Province, Eastern Ontario, OGS OFR 5229, p.12-13
1	PM 81 PM 82 - Lot 5, Con IV			
2	PM 83 - Lot 11, Con VII			
3	PM 84 - Lot 6, Con IX			
4	PM 85 - Lot 6, Con X			
5	PM 86 - Lot 6, Con XI			
6	PM 89 - Lot 31, Con XVI			
7	MP 90 - Lot 29, Con XVII			
8	M7 - Lot 22, Con VI			
9	Soil Sampling	Mo	Emerald Lake Mines Ltd.	Brougham Assessment File No. 5

GDIF FORM NO.5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

Black Donald Graphite Co. - Northern Miner
(Black Donald Mine) Feb 19, 1948

Frobisher Explorations Ltd. - Northern Miner
(Black Donald Mine) Oct 8, 1955

GDIF FORM NO. 7

NOTES AND ADDENDA

ODM GENERAL INDEX SEARCH

Words searched:

BROUGHAM TOWNSHIP

Index Volume	Listing:	Report Volume	Part	Page
1	BROUGHAM TOWNSHIP			
	Analysis	5		37
	"	10		24
	Black Donald Mine	5		30,37
		6		34
		7		23
		8		18
		9		14
		10		24
		11		27,289 290,292, 293
		12		26,55, 132-134
		13	1	12,92,53 54,176-177
		14	1	22,86,87
		15	1	14,23,106
		16	2	181
		17		60,90
		18	1	43,137, 139
		19	1	12,37, 131,147
		20	1	44,111
		21	1	41,162
		22	1	49,139
		24	1	41,164
		25	1	1,33,138
	Graphite	9		199
	Limestone	13	2	101
	Mining	5		30
		16	1	25
		25		19,135 136,138
2	BROUGHAM TOWNSHIP			
	Black Donald Mine	26		44,145
		27	1	49,74,143
		28	1	51,87, 162,163
		29	1	40,116, 118
		30	1	24,25,52 132

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

BROUGHAM TOWNSHIP

Index Volume	Listing:	Report Volume	Part	Page
2	BROUGHAM TOWNSHIP			
	Black Donald Mine	31	1	22
		31	10	64
		32	1	23
		33	1	20
		34	1	27,161
		35	1	33,133
	International Molybdenum Corporation	26	1	141,143, 292
		28	1	160
	Legree Molybdenum Claim	26	1	143,290
	Magnetite Notes	I.O.		223
	Molybdenum Notes	I.O.		223
	Renfrew Molybdenum Mines	26	1	143,144 280-281 290-294
		27	1	141,142
		28	1	98
	Steel Alloys Corporation	28		34,35
3	BROUGHAM TOWNSHIP			
	Black Donald Mine	36	1	33,142
		37	1	34,156
		38	1	30,156
		39	1	32,135
		40	1	29,103
		41	1	31,96
		42	1	30,99
		43	1	27,109
		44	1	32,154
		45	1	41,173
		46	1	47,220
		47	1	37,229
		48	1	36,219
		49	1	36,220
4	BROUGHAM TOWNSHIP			
	Black Donald Mine	50	1	148,205
		51	1	218
		52	1	44,205
		53	3	43-48, 170
		54	2	99
		55	1	75
		55	2	82
		56	1	70
		56	2	93

ODM GENERAL INDEX SEARCH

Words searched:

BROUGHAM TOWNSHIP

Index Volume	Listing:	Report Volume	Part	Page
4	BROUGHAM TOWNSHIP			
	Black Donald Mine	57	2	96
		58	2	84
		59	2	82
	Gold	53	3	41
	Magnetite	53	3	59,59
	Marl	53	3	67
	Mica	53	3	69
	Molybdenum	50	1	153
		53	3	70,78-82
	Nepheline	53	3	89,90
	Photos	53	3	5
	Nepheline Syenite	53	3	11-13
5	BROUGHAM TOWNSHIP			
	Black Donald Mine	60	1	61
		60	2	80
		61	2	81
		62	2	86
		63	1	72
		63	2	105
		64	2	97
6	BROUGHAM TOWNSHIP			
	Nepheline Syenite	69	8	103-104
7	BROUGHAM TOWNSHIP			
	Black Donald Mine	IMR 20		44-57
	Photos	GC 13		51
8	BROUGHAM TOWNSHIP			
	Graphite	GR 128		22
	Iron	MRC 11		319-320
	Marl	IMR 28		99
	Molybdenum	MP 19		8
		MRC 7		58-60
9	BROUGHAM TOWNSHIP			
	Calcite	MP 70		86
	Graphite	MP 70		187
	Iron	MDC 20		86-88
	Marble	MP 80		6-7
	Microcline	MP 70		238
	Molybdenite	MP 70		249
		MDC 20		142-156
	Stilbite	MP 70		380

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Lumbers, S.B.	1976	Ontario Geological Map, Southern Sheet (revision of Map 2197)	OGS Map 2392	1" = 16 mi.
Meyn, H.D. & Howarth, J.R.	1977	Molybdenum Deposits of Ontario, Southern Sheet	OGS Map P.1247	1" = 16 mi.
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Eardley-Wilmot, V.L.	1925	Molybdenum: Metallurgy and Uses and the Occurrence, Mining and Concentration of its Ores	DEMR/CANMET #592 Map 595	292 p. 1" = 35 mi.
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Hansen, J.	1982	Proposed Preliminary Exploration Programme for Coronation Resources (Canada) Inc. on the Black Donald Creek Property, Brougham Township, Eastern Ontario by Geotest Corp.	OGS/AFRO Assessment File #13 (with Maps)	
Hewitt, D.F.	1961	Nepheline Syenite Deposits of Southern Ontario (Report with maps - but maps do not cover Brougham)	ODM AR Vol.69 Pt.8	194 p.
Lang, A.H., Griffith, J.W., Steacy,	1962	Canadian Deposits of Uranium and Thorium (2nd edition)	GSC Ec.Geol.Ser.16 Map 1045A	324 p. 1" = 120 mi.
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	1977	Pembroke and Renfrew Areas, p.126-129, in Summary of Field Work 1977	OGS MP 75	208 p.
Martin, Wendy	1983	Industrial Minerals of the Algonquin Region, Ontario	OGS OFR 5425 Map P.2565	316 p. 1:125,000
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		SEE ALSO:		
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	1898	Statistics of Mining Lands & Minerals	ODM AR Vol.7 Pt.1	p.7-34
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	1915	Statistical Review of the Mineral Industry for 1914	ODM AR Vol.24 Pt.1	p.1-65
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Ontario Geological Survey and Geological Survey of Canada	1977	Geochemical Reconnaissance in Lake Sediments, Southern Ontario (31F)	OGS OFR 5228 GSC OF 406	1:250,000 1:250,000
		GEOPHYSICAL		
Geological Survey of Canada	1951	Renfrew and Lanark Counties, Ontario. Aeromagnetic Map	GSC 67 G	1" = 1 mi.
	1952	Clyde, Renfrew, Frontenac and Lanark Counties, Ontario. Aeromagnetic Map	GSC 68 G	1" = 1 mi.
	1952	Denbigh, Renfrew, Frontenac, Hastings, Lennox & Addington Counties, Ontario. Aeromagnetic Map	GSC 96 G	1" = 1 mi.
	1952	Brudenell, Renfrew County, Ontario. Aeromagnetic Map	GSC 100 G	1" = 1 mi.
	1981	Pembroke, Ontario - Quebec. Aeromagnetic Map	GSC 7057 G	1:250,000
	1976	Uranium Reconnaissance Program, Airborne Gamma-Ray Spectrometry Data, Pembroke (31F) Ontario	GSC OF 331 35631 G	1:250,000

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Geological Survey of Canada	1984	Radiometric Survey Map - Ottawa (31C & 31F)	GSC OF 1072 (7 maps)	1:1,000,000
	1981	Eastern Ontario - Western Quebec Region, Magnetic Anomaly Map Series (Residual Total Field)	GSC 1562A	1:1,291,806
	1984	Magnetic Anomaly Map Ottawa, Ontario & Quebec	GSC NL-18-M	1:1,000,000
Ontario Department of Mines and Geological Survey of Canada	1972	Great Lakes - Ottawa River Sheet, Algoma, Sudbury, Timiskaming, Nipissing, and Manitoulin Districts and Southern Ontario (Aeromagnetic Compilation Map)	GSC Map P.800	1" = 16 mi.
		MINERAL POTENTIAL MAPS		
Robertson, J.A., et al	1979	Uranium Mineral Potential Charts for Parts of Southern Ontario	OGS OFR 5260 Chart C	1" = 2 mi.
Springer, J.	1978	Ontario Mineral Potential, Pembroke and Part of the Ottawa Sheets	OGS Map P.1507	1:250,000
		JOURNAL ARTICLES & THESES		
Anderson, A.	1954	Black Donald Graphite, 1942-1953; Canadian Institute of Mining, Metallurgical Bulletin, Annual General Meeting, Montreal		
	1954	Transactions, Vol. 57, p.442-444		

GDIF FORM NO.9

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Hehn, F.	1984	The Celebrated Bats of Renfrew County; Aski, May 1984, p.3		
Karvinen, W.O.	1973	Metamorphic Molybdenite Deposits in the Grenville Province; Unpublished Ph.D. Thesis, Queen's University, Kingston, 311 p.		
Moyd, L.	1949	Petrology of the Nepheline and Corundum Rocks of Southeastern Ontario; American Mineralogist, Vol. 34, No's 9 & 10, Sept - Oct., p.736-751.		
Rose, E.R.	1954	Iron Deposits of Eastern Ontario and Their Origin, Ph.D. Thesis, Queen's University, Kingston, Ontario.		

GRATTAN

GRIFFITH

Burns Long Lake

Tooley L.

Tooley Cr.

Tooley

Buffalo L.

Dilla

132

45°21'30"

76°55'00"

Conston

Creek

Malotte L.

Murphy L.

Malotte

Black

Doorley

Cr.

Donald

Cr.

Guiney L.

Nipper L.

Discus L.

Marly L.

Moran L.

Dominic L.

Mc Cool L.

Birchom L.

9

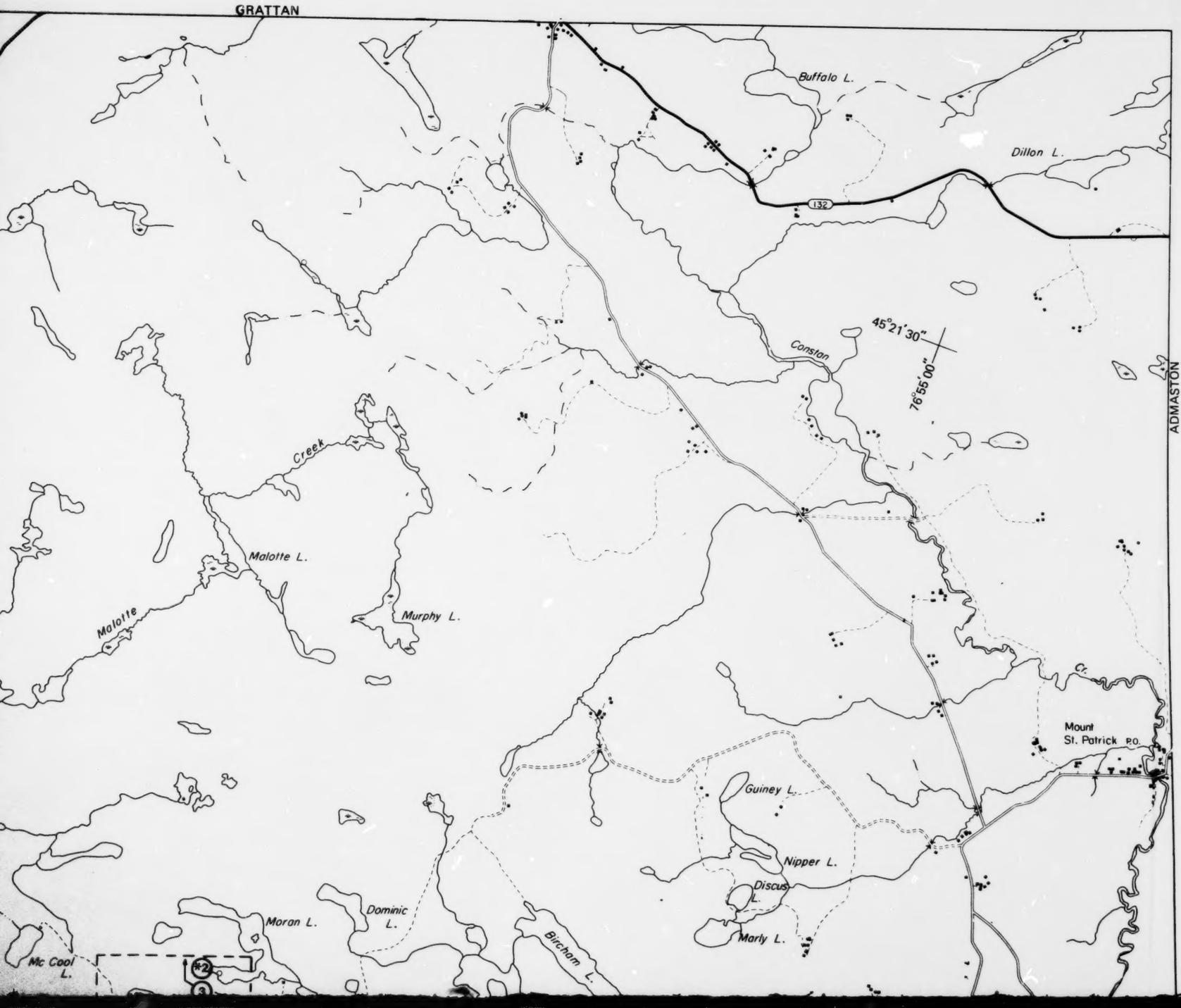
10

12

41

+2

3



Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 333

(Map 1 of 2)

BROUGHAM TOWNSHIP

RENFREW COUNTY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

Donald Cr.
Malotte Cr.
Mc Cool L.
Moran L.
Dominic L.
Guiney L.
Nipper L.
Discus L.
Marly L.
Birchom L.
Blackbird L.
Fishery L.
Patrickfalls Lake
Poplar Mnt.
Jacktar L.
Mason L.
Condon L.
Kennelly L.
Mudlark L.
Mc Pherson L.
Little Donald Cr.
Black Donald Cr.
Oakhill L.
Chapman L.
Webber L.
Green Lake
Carter L.
MATAWATCHAN
77°00'00"
45°13'00"

Guiney L.
Nipper L.
Discus L.
Marly L.
Dominic L.
Moran L.
Birchom L.
Mc Cool L.
Blackbird L.
Fishery L.
Patrickfalls Lake
Poplar Mnt.
Jacktar L.
Mason L.
Condon L.
Kennelly L.
Mudlark L.
Little Black Donald Cr.
Webber L.
Green Lake
Carter L.

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area exploration.

MATAWATCHAN

77°00'00"

45°13'00"

Leclaire Lake

NORTH CANONTO

Webber L.

Green Lake

8

7

Carter L.

Shiner L.

Scully L.

508

Donald

Lake

3

DAM

Mountain

Chute Dam

Madawaska

River

Webber L.

Green Lake

8

7

Corner L.

Shiner L.

Scully L.

508

BLITHFIELD

Limestone Lake

Lake

Donald

3

DAM

DAM

Wabun Lake

River

Mountain

Chute Dam

Madawaska

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

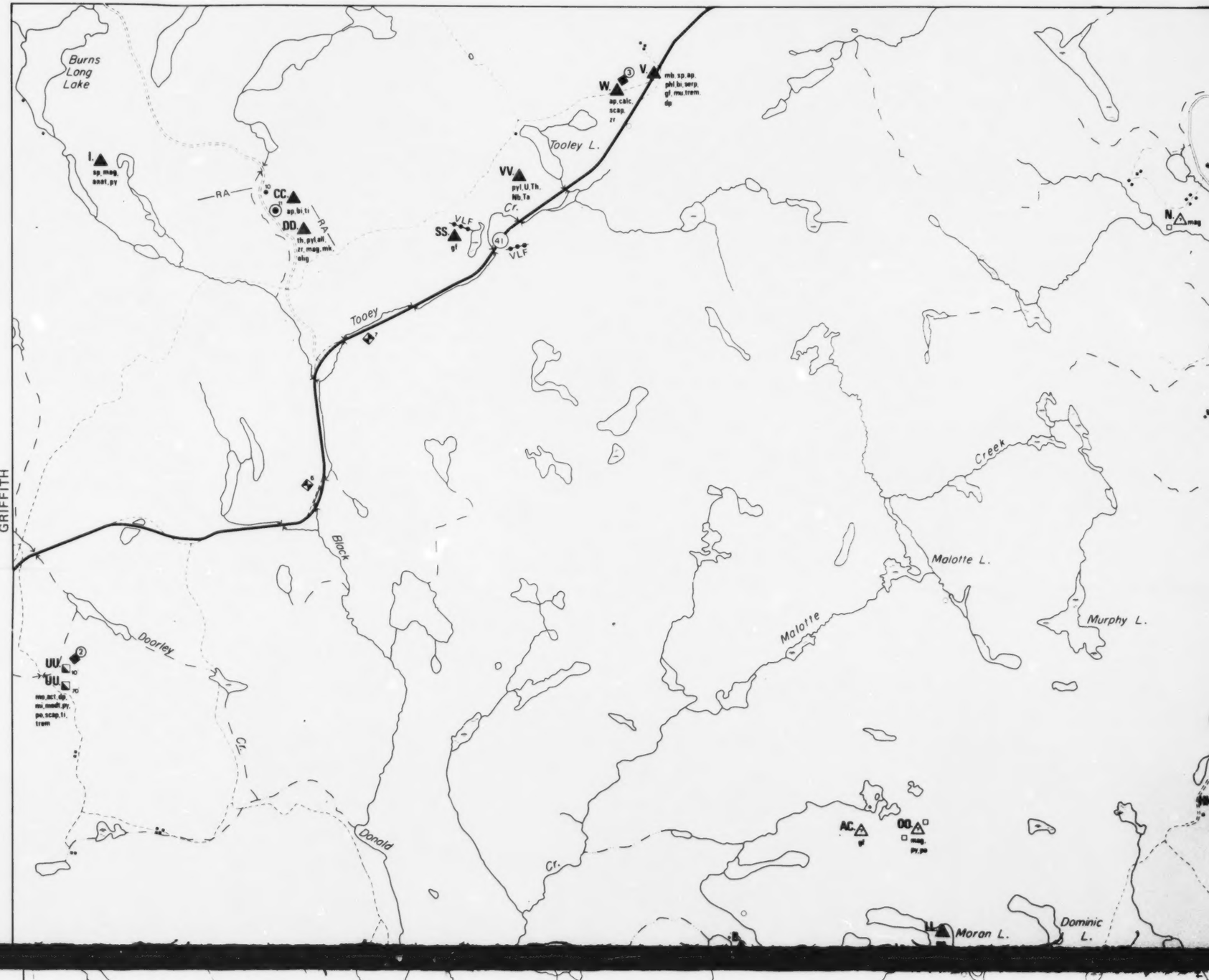
- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

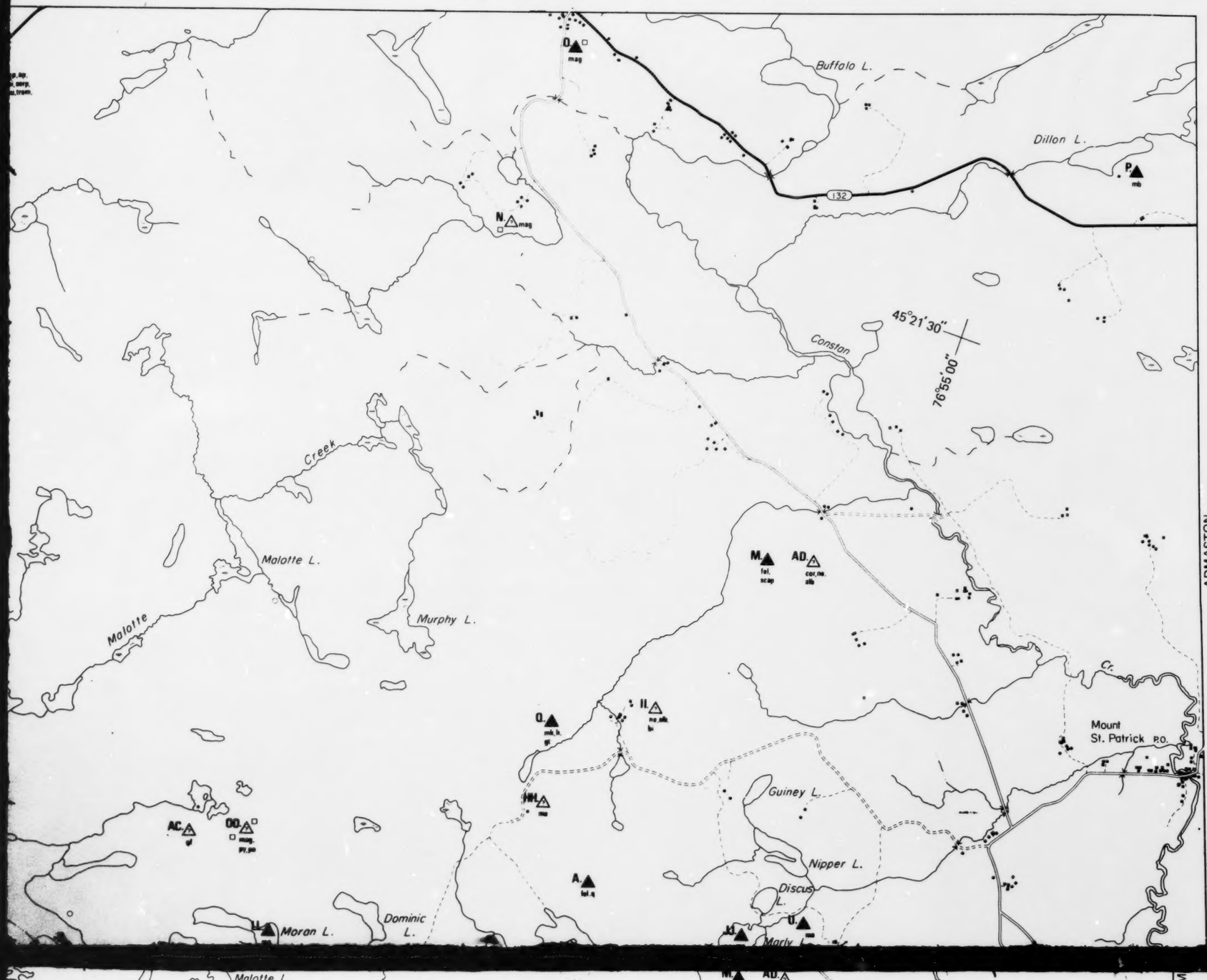
GEOPHYSICAL ANOMALIES

- Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal Loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly
  (total intensity)
- Resistivity anomaly
- Gravity anomaly

MISCELLANEOUS DATA

- Ground radiometric anomaly





Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 333

(Map 2 of 2)

BROUGHAM TOWNSHIP

RENFREW COUNTY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter
- ④ — Mineral Collecting Locality, with number

DRILLHOLE

- ●² — Location of single drillhole, with reference number

- ■ —RA— Ground radiometric anomaly
- □ —IP— Induced polarization anomaly
- ■ —SP— Self potential anomaly
- □ —AFMAG— Audio-frequency magnetic anomaly (total intensity)
- □ —R— Resistivity anomaly
- □ —GR— Gravity anon.aly

MISCELLANEOUS DATA

- ■ Trenching, pit
- ■ Adit
- □ Open pit
- ■ (401) Peatland
- □ Rock quarry
- □ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

Malotte L.
Malotte
Murphy L.
Mount St. Patrick P.O.
Guiney L.
Nipper L.
Discus L.
Marly L.
Moran L.
Dominic L.
Birchom L.
Patrickfalls Lake
Condon L.
Fishery L.
Blackbird L.
Mc Cool L.
Poplar Mnt.
Jacklar L.
Mason L.
Kennelly L.
Mudlark L.
Little Black Donald C.r.
Webber L.
Green Lake
ADMINISTRATIVE

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter
- ④ — Mineral Collecting Locality, with number

DRILLHOLE

- ●² — Location of single drillhole, with reference number
- ◉² — Location of closely spaced group of drillholes, with reference number
- ?² — Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- ○² — Property with drillholes which have not been plotted on map, with reference number
- ⊕² — Reverse circulation drillhole; churn drilling, with reference number
- ◉²# — # Indicates drill core stored at the Bancroft Drill Core Library

MATAWATCHAN

Chapman L.

Oakhill L.

Black Donald

Green Lake

Carter L.

Lecloire Lake

77°00'00"

45°13'00"

NORTH CANONTO

Mountain

Pherson L.

Little Black Donald Cr.

Webber L.

Green Lake

T. ma

R. gf, q, trem, Zr, tit, cp, bet, py, po, mb

S. gf

Carter L.

J. gf, py, po, cp, sp, Pb, bn

KK. gf, bn, po, Cu-Ag-V, Mo

AA. gf

AA. gf, scap, Ba, Sr

H. gf

BLITHFIELD

Shiner L.

Scully L.

508

EE. gbt

FF. gbt

Limestone Lake

Donald Lake

RR. gf

D. gf, calc, dp, py, po, trem, scap, h, tour, ap, fel, mu

(402)

(404)

(405)

(404B)

NN. mb, gf, ab, Py, po

DAM

GG. mb

WW. Au

Wabun Lake

River

MATAWATCHAN

77°00'00"

45°13'00"

BB
mib gf

Leclaire Lake

KK
gf ba po
Sr Ba V
Mo

Carter L.

J
gf py po
cp sp Pb
bn

S
gf

original high water mark

RR
gf

D
gf calc dp py po
trem scap h
tour ap fel
mu

NORTH CANONTO

(404B)

NN
mib gf ghl py
po

GG
mo

XX
mo
py

Mountain
Chute Dam

Meadowas

Carter L.

Shiner L.

Scully L.

508

BLITHFIELD

Limestone Lake

Wabun Lake

(402)

(404)

(405)

(4048)

Mountain Chute Dam

Moosabird